

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: ori@juno.com (Ori K Mizrahi-Shalom)
Subject: [6509] "38 Special" - it's a go! (long)
Message-ID: <19961216.090225.4375.4.ori@juno.com>

Hi all,

I got my best present for the holidays.

Doug Hendricks was updating the list about the progress of the "38 Special" development. Doug is a very enthusiastic person, so you got a glimpse into the early stages of this project.

We had one prototype PCB board that was built and tested two weeks ago. We found a few sensitivities, in places we knew we have to double-check. We fixed those and sent out for a second prototype PCB last week.

I'm happy to report that this one is squeaky clean!

We built this board by just "stuffing" components, the way most people will do it. It works with no hassles.

I have test equipment to align the radio but Doug did it the easy way - peaked the receiver listening on the air and then peaked the transmit to maximum power. That's what most people will do.

It's that simple.

Test equipment is great, because I can report that a 0.1 uV signal can be clearly heard - that's better than -125 dBm!!! That is from a kit built with no tweaking, no special parts. That's what you should expect to get from your kit too!

The board measures 3"x4", about 2/3 the size of a Norcal 40, with lots of ground plane on both sides.

It contains a hundred components, including four toroids.

About 20% percent is empty! That's extra space for the additional circuitry.

As Jim Cates said, "somebody must have made a mistake on the price..."

The next step is the production order. We are moving from a prototype place to a new PCB vendor, in order to speed up the delivery of the kits. We were promised to have the boards back on the first week of January.

Many times I wrote "we did", "we thought". The "we" refers to my partners on this project.

The first one is Dave Fifield KQ6FR.

I came up with the first design, that's the "idea" part of it. Then it takes "hard labor" to get a design to a "kit-ready" shape.

Dave was very instrumental in getting to that point and I can't thank him enough for that.

I also consider Doug Hendricks a part of "we".

As you could read from his postings, Doug is putting hours

and hours on each of Norcal's projects. Doug drove over two hours (one way) to San Jose numerous times to see things for himself and make sure things are moving right. He's the one that gets the best deals on components and then works on crystal matching and kits, in his "spare" time. And last, the one behind the scenes, that does the quiet job of taking orders, answering questions and sending kits out - Jim Cates. Doug says this is a four hours a day job and I can believe it.

I want to also thank all people that offered to help, you are really appreciated.

And all those that sent e-mails with technical questions or just with a nice word - thank you all. This has been a great experience with a great bunch of hams.

I hope that when you build and operate your "38 Special" you will agree with me: the effort was well worth it!

Happy Holidays,

ORI AC6AN

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: rheiss@tuba.aix.calpoly.edu (Robert Everitt Heiss)
Subject: [6478] 10m 'test SSB Results
Message-ID: <9612160408.AA27811@tuba.aix.calpoly.edu>

The few, the feeble. QRP 'phone in the 10 meter contest! Out here in California we had a good but brief opening from 1900z to 2000z Sunday. I worked 22 stations that hour, after 4 around 1800z, and then the last 3 contacts around 2300z. Totals: 29 QSOs, 16 mults, 928 points, 3 hours.

The multipliers: CA FL NM MA CT PA NC MD ON OH GA TN NJ VA WV CO

I used my Argo 509 and a 104ft wire balun-fed 10ft from the west end.

73, Rob K06KA
rheiss@calpoly.edu

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Richard Sherman <srichard@aldus.northnet.org>
Subject: [6471] 10M Contest
Message-ID: <3.0.16.19961215222220.3ba71d12@aldus.northnet.org>

Hi All,

Interesting conditions for the contest this weekend. On Saturday I worked only 1 station, VE3RM. And he was the only one I heard. Sunday morning I turned the rig on, set it to scan 28.000MHz to 28.060MHz and began hearing a lot of strong midwest stations. I worked 10 or so then the band shifted and I worked a few stations in the south. Then things went downhill for awhile then the CA stations came in strong. After I worked all of them I could hear, I took a break. I worked a few WA stations and that was pretty much it for the band. But wait, never give up on 10M. I left the rig scanning and was only hearing VE3RM for about 3 hours, then all of a sudden, I hear a bunch of signals. The famous 10M rebound, for lack of a better term, gained two FL contacts, N4BP and W4SO. I was unable to work the other FL station I heard. This was all at around 2330z and did seem a bit late for reopening. 10M is great for that, a predictable, albeit short, re-opening of the band. And one that usually catches me napping.

So I ended up with a modest 38 Q's for a mostly watch football and wait for the band to open effort. And I beat my last two years combined scores by 38 :->

Rig: TS-940 @ 5watts

Ant: 80/40 Trap Dipole

72 es Safe Holidays,

Rick WZ2T Duane, NY Franklin County

srichard@northnet.org

---If you're not part of the solution,
You're part of the precipitate.---
Steven Wright

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996

From: George Doster <doster@umr.edu>

Subject: [6536] 10m contest

Message-ID: <199612162230.QAA19162@hermes.cc.umd.edu>

Well the band wasn't that great when I listened this weekend. I did work two stations on SSB at 5 watts. One was florida and the other ontario. I heard a few South america stations on Sat. Could not work them though. Oh well it was fun to work two at QRP!

Jay

- 1 - power jack of the builder's choice
- 1 - antenna jack of the builder's choice
- 1 - 1K pot (RF Gain)
- 1 - 100K pot (Main Tuning)
- 4 - standoffs
- Misc. hook-up wire.

Parts for the RIT mod include a 10K pot, plus a couple of common resistors. Again, the 5 Watt Power Amp mod includes an IRF510, plus 4 resistors and 3 caps all available at Radio Shack, a ferrite bead, and a T37-2 toroid, (included in the kit). The TiCK keyer mod will require a 2N2222 transistor, a 78L05 voltage regulator, a couple of resistors, and the TiCK keyer chip from Embedded Research. We have asked them to provide a straight key option and they are working on it now. That way, you can use the same jack for paddles and key.

Jim told me yesterday (Sunday) on the phone that orders are now at 300. If you would like to order a "38 Special" 30 meter CW Transceiver with Superhet Receiver, 300 mW out with stock board, (5 W out with IRF510 mod), space on the board to add RIT, TiCK keyer, and improved crystal filter. The kit includes a doublesided, plated through, soldermasked, silkscreened board, all board mounted basic parts (does not include parts for mods), and instruction manual. Test equipment needed to get on the air include VOM, dummy load, watt meter, and general coverage receiver. Cost of the kit is \$25 plus \$3 shipping and handling for US addresses, \$5 shipping and handling for DX orders. US funds only, make checks or money order out to Jim Cates, NOT NorCal. Send orders to:

Jim Cates
3241 Eastwood Rd.
Sacramento, CA 95821

Shipping to begin the second week of January. Orders shipped in the order received. 72, Doug, KI6DS

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Bob Kellogg <ae4ic@nr.infi.net>
Subject: [6531] 40-9er Winners! - Soapbox
Message-ID: <199612162137.QAA31114@mh004.infi.net>

Gang, the results of the 40-9er contest are in. The winners are listed below. It was a lot of fun, with more than 75 hams participating. All call areas were represented (except Hawaii and Alaska) including some Canadian provinces.

1. Most contacts using a 40-9er - 37, Jim Hale, KJ5TF

- (SWL-40 Kit, donated by Chuck Adams)
2. Most 40-9er contacts using another rig - 6, Bill Robbins, WA8CDU
(40-9er Kit, donated by Bob Kellogg)
 3. Highest Score - 2394, Randy Hargenrader, WJ4P
(Bound Volumes, QRPP, 93,94,95,96, donated by Doug Hendricks)
 4. Second Highest Score - 1034, Bill Jones, KD7S
(1 year subscription, QRPP, donated by NorCal, Doug Hendricks)
 5. Third Highest Score - 400, Bob Seymour, W0LK
(1 year subscription, QRPP, donated by NorCal, Doug Hendricks)

The prizes will be finding their way to you as soon as they can be rounded up and mailed.

Soapbox: (long)

A great time and I hope we do it again. I managed my first 49-49 QSO which was the real purpose for me.

Bob Cutter,Glenwood Springs, CO

What a wonderful contest this was. I had planned a great strategy (at least on paper) but things didn't work quite the way I had intended. I worked the full two hours Monday night but then held back the rest of the week waiting for Friday. I figured there would be more stations to work Friday night. It didn't work out that way, however. Despite my poor showing Friday, I was pleased to work AR, CO, SD, GA, TX, OK, NC, NM, MI, MN and CA from central California. Although I reported my power as 1 watt, in reality I was putting out around 750 mW. I figured it would be easier for the station on the other end to copy. With one or two exceptions every one of my twenty-one contacts qualified for the 1,000 miles per watt award. Now, I have but one question. When can we do this again?

=====
Bill Jones - KD7S <><

I was looking forward to this contest, I built my lil 49'r last saturday and finally figured out the offset and worked lots of stations. I was all set. The trouble is that the band folds on me that late in the evening. Lots of great signals earlier, but when I go down at 0200Z, nothing happening. I did hear a couple very weak 49'rs but no luck. I think the window is too short for operating time, at least vary the time of day so stations not on the west coast can have some fun. Some food for thought, I'm just disappointed at the lack of activity.

73/72's es gl to all Jim N0UR qrp-1 #799

My thanks to Bob, AE4IC for setting this contest up.
It certainly was well timed, with all the 40-9ers built up and all.

Monday night was mildly successful but signals were

down as propagation to my end of the world was poor. Also, getting into the swing of things and trying to remember the exchange was a challenge. It was good to hear some familiar calls and to finally work a 40-9er on the air. KJ5TF, Jim, was all over and working (it seemed) everything I could hear and then some. He sure gets around with that 'lil radio! He proved to be my nemesis - He out scored me - Jim, watch out next time!!

Tuesday night was the best with very good prop and strong sigs. I worked about twice as many stations but only ONE 40-9er, Jim KJ5TF! (wouldnt you know! hi!) Wednesday and Thursday nights turned out like Monday with low prop and weak sigs.

Friday night the propagation was so good I had SSB splatter and digital sigs wiping out just about every station I heard. Just worked a few stations. A disappointing finish to a fun contest but I still had fun.

One thing I noticed... almost all stations that called me did it nearly zero-beat probably betting that I was an unmodified 40-9er. I as able to tune off zero-beat and still hold them. That was a smart strategy considering this contest.

Thanks to everyone for being patient. This aint your fathers contest radio...

73, Randy WJ4P

I listened each night, but the long skip combined with a very low antenna only yielded contacts on two nights (Monday and Friday). It wasn't until Friday night that I actually heard CQ 49 or CQ TEST. Each such stattion I heard I was able to work, but I only heard three! My own CQ 49 calls yielded no results (I do tune between calls, so no one has to worry about where to answer me!)

It was a thrill to hear "solid copy on your 250 mw" from stations in Florida and Pennsylvania -- I even had one request (from W2BNA running QRO in FL) to "reduce power to 25 mw"! What a kick!

Ralph Irons Call: AA6UL/4

Many thanks to all who participated!

CUL,

Bob Kellogg, AE4IC, Greensboro, NC

Prolably, but not nececelery. - Benny Hill

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996

From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [6489] 8044abm.ps update
Message-ID: <199612161327.NAA23708@chuck.dallas.sgi.com>

Gang,

Too early in the morning into work. :-)

Do not login, ftp to ftp.lehigh.edu, but you knew what I meant.

SIG

Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
EMPS QS0s=109 STATES(w/c)=34/2 DX=0

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Jim Hydzik <congress@magpage.com>
Subject: [6505] After midnight...not the song(short)
Message-ID: <199612161555.KAA01255@alaska.magpage.com>

Hello Gang,

It's after 1 AM in Delaware and 40M is quiet. A few static crashes, but no RTTY/FAX/SSB, and only a few faint sigs from South/Central America. No Euro's or beacons. Nothing is moving the meter....except N7MM in his truck way across the country. To top it off, it was a 3-way QSO with N6MM and K9PV. Hard to believe, Harveys 3 watt sig was Q5 as well as John's mobile.

Couldn't help myself. When K9PV backed out, I gave a single call and Harvey came right back. With John's truck now stopped it was a 15 minute blast and a half. Topping it all off was when N7MM/m went to 5 watts, he was still copyable here. Good Job guys.
72, Jim K3QIO Delaware (4 W, MFJ-9040/dipole 35')

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: SYDV00A@prodigy.com (FLOYD SMITHBERG)
Subject: [6466] ARRL 10M Contest
Message-ID: <199612160214.VAA27480@mime4.prodigy.com>

Well, even with all the Xmas activities I managed to get in a few hours today...10am to 4pm local time. Quit then because the band was fading rapidly. The pace seemed considerably slower than the SS and CQWW and I even worked two N/Ts...only two I heard. 'Twas fun and good practice.

Worked most everything I could hear....mostly States, Canada, Central
and South America(14 SA,1 NZ, KG4). Nothing from Europe, Africa, Asia.
Op time:.....3.5hrs
Equip:.....TS850/3el yagi 45'
Accessories.....CmosIII, LOG-EQF logger, HB MiniMag paddle, HB
W7EL Wattmeter.
QSOs.....51 (includes 2 N/Ts) = 212 pts
Multipliers.....23
Score.....23 X 212 = 4876
Floyd NQ7X Phoenix ScQRPion dm33uq

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Harvey D. D. Hetland" <HDHETLAND@paccd.cc.ca.us>
Subject: [6522] ARRL 10m contest
Message-ID: <A25BFCB5830@manage.paccd.cc.ca.us>

I only squeezed in about thirty minutes on Sunday, and my location is
poor for working 10m to the continental U.S. due to 5000+
foot mountains to the north and east with a +14 degree horizon.
However, after church I managed the following:

2027Z	CX7BY	28.059	2048Z	LW4DYI	28.051
2030Z	LT5V	28.020	2049Z	LU4DRC	28.004
2035Z	LW9ETY	28.047	2051Z	CV5DX	28.032
2036Z	K40J	28.051	2057Z	ZL2DX	28.032
2040Z	CX9AU	28.008			
2041Z	LU7EE	28.019			
2043Z	LU8HSO	28.033			
2045Z	LU1EWL	28.033			
2046Z	LU6ETB	28.034			

I could not get KP3W. Also
heard several other stateside
stations, but I had some
line noise in that direction.

Rig was a Drake TR7 at 4 watts output and a five element yagi at 70
feet (sure helps with QRP). I can hardly wait for those sunspots to
return. I checked 28.060 MHz several times, but did not hear any
activity there. I may start leaving a receiver on 28.060 MHz in
hopes of hearing some QRP activity. Project for Christmas vacation
will be to pin point the power line leak and get it fixed.

73, Harvey, N6MM.

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: [6477] Atomic Keyer: Attn Gary
Message-ID: <19961216.035102.4407.15.k7yha@juno.com>

Gary:

My fingers were a little too fast tonight and I deleted you address prior to printing it off.

Please send it to me again.

tnx es 73 es MX

rich K7SZ

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: GREGOIRE@ENDOR.COM (ERNEST GREGOIRE)
Subject: [6535] Christmas Fox
Message-ID: <199612162229.RAA253498@nss2.CC.Lehigh.EDU>

Hello Gang,

I will be the fox just before Christmas on
tuesday December 24 0100 utc.

That means Monday Dec, 23, at 2000 E.S.T.

I will be on or around 7.040 + or _ QRM.

I will post again just before the hunt, most likely on Sunday.

de AA1IK	N.E.-QRP-C. #202	(Lead by example, It is better to)
	QRP-L member #95	(pull a string than it is to push it.)
Ernie Gregoire	FISTS #2644	
RR 1 Box 221		
Canaan, NH. 03741		

New England QRP Club, information
available on request by sending me a
S.A.S.E. or via E-mail.

e-mail : GREGOIRE@ENDOR.COM
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: WJ4PRandy@aol.com
Subject: [6521] cylindrical chokes/specs?
Message-ID: <961216141028_809995867@emout16.mail.aol.com>

Gang,
Does anyone know anything about the
cylindrical clamp-on chokes Radio Shack
sells for noise suppression? Au's,
freq. range, etc... besides what is on the
package (which is fairly vague).
I'm wondering if they could be used for a current
balun on coax at HF frequencies. I was thinking
several in "series" would be physically handy
but might be electrically useless.
Thanks in advance.
73, Randy WJ4P

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: meh@cbsms1.cb.lucent.com (m.e.hartwell)
Subject: [6490] email address change
Message-ID: <199612161343.IAA18834@emsr2.emsr.lucent.com>

I noticed I hadn't changed the return address in my sig file, so
I am resending this today with the corrected information, sorry.

I hate to do this kinda, but I guess I will anyway.

I am going to try to sell my Ten Tec station. I hope to keep it all
together. So on this first go around lets keep it that way.

For Sale

509 Argonaut - near mint, I don't see any scratches but the plastic
speaker cover has a couple of dings, and the plastic separator on
the top has some dings. All of the wood grain and painted surfaces
are free of scratches and marks. The only two mods are: The antenna
connector is BNC, and the rec out is changed to provide an output
for a digital display, the manual is marked to show this mod.

208 Filter - near mint, like the transceiver.

206 Calibrator - near mint condition.

405 Linear Amp - very good condition, not as good as the transceiver

251 Power Supply - Good condition, Has a scratch on top but works great.

Power cables for everything, non smoking environment, manuals for everything.

Asking \$600.00 and I ship in the continental US.

Now if I don't find anyone interested in the whole package, look for this again offering to break up the set.

Why am I doing this, just crazy I guess. I have also a Ten Tec Triton IV that does all of the things the Argonaut and out board pieces. I want to think about maybe getting some of the neat little kits coming out all over.

Work

Martin (Marty) Hartwell

Room 3D286A

6200 E. Broad St.

Columbus, Ohio

Phone: (614) 860-2091

Amateur Radio Station KD8BJ

Email meh@cbsms1.cb.lucent.com

ICBM: 39 58 N 82 49 W

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996

From: w0ch@juno.com (David A. Bixler)

Subject: [6528] FOX ALERT: Tuesday Night Fox

Message-ID: <19961216.154819.2167.0.W0CH@juno.com>

Greetings gang:

Tuesday night will be my turn to be the elusive and sly fox. Try looking for me in the woods near Seneca, Missouri just south of 7038 KHz at 9:00 PM Central time. That's 0300Z on 12/18 for our friends over in G-land.

Just to make it easier on the hounds, I won't be mobile this time. In January for round two, it will be another story.

Catch me if you can.....

Dave Bixler
W0CH

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [6495] ftp.Lehigh.EDU
Message-ID: <96Dec16.094457-0500est.65735-13034+15@hooch.CC.Lehigh.EDU>

The problem with the FTP server at ftp.Lehigh.EDU is fixed.
Sorry for the inconvenience.

73
Jim N3VXI

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: kb0rol@juno.com (Bradley L Mugleston)
Subject: [6470] Getting Started
Message-ID: <19961215.204953.7263.1.kb0rol@juno.com>

Craig,

I've been a ham Tech+ for 8 months now - all my CW contacts have been QRP. Maybe I can help. It wasn't easy at first - my 14 year old son had to help. My ears were off - I would try to respond to a CQ but never got a reply, turned out I was too far off zero beat to be heard. I got my son to tune in the signal and bingo go one then another soon I was able to tune it myself. In other words YOU NEED A LIVE ELMER!!!

You will get LOTS of help from this group but some local help will make some things easier.

Go to swap meets and buy a GOOD used rig (another reason to have a LIVE Elmer). All of my contacts have been QRP it would have been a lot easier to be QRO at first - first rig is/was QRP only. Go to every swap meet you can until you have the money then be willing to wait until you find the right one. I know how are you going to get on the air until then - get on the air, 2M, and ask around - you'd be suprised at the number of HAMS that will loan you a rig until you get your own.

Antennas, - Bigger is better, Higher is better - only you know how much space you have - in antennas MORE is better - buy/build the best you can.

Put it up right. Get it tuned and your QRP signal will get OUT.

What you do need to do is get on the air. Contests are a great way to start building your speed - You know the basics of what is coming and you can listen before and after for a fill.

Let me know if you need any help or a contact.

Brad

Brad Mugleston - KBØROL

Colorado QRP Club # 170, QRP-L #316, ARRL

QTH - Aurora, CO - DM79oq

KBØROL@JUNO.COM

BMUG@GWL.COM

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996

From: sigcom@juno.com (Stephen M Smith)

Subject: [6465] HB: Instant Coffee Housing

Message-ID: <19961215.173357.8287.1.sigcom@juno.com>

Group,

This tin can has probably been written about before, but I just "discovered" it this weekend. My wife and daughter drink an instant coffee from a mix by General Foods called "International Coffees" (I tease them and call it "girlie coffee"). It comes in a rectangular tin container that has an internal dimension of 2-3/16" H, 4 " W and 2-7/16" D. This would make a nice housing for a QRP rig, small tuner or piece of test equipment. What I found most interesting about this container is that after the aluminum foil seal is removed, there is a recessed lip remaining around the perimeter of the can, about 1/4" wide. It would be a simple matter to shape a piece of P.C. board material to fit the opening for use as a front panel and it could be secured to the can with small sheet metal or machine screws, or even soldered in place. If the power supply is an internal battery or if the D.C. input line is properly bypassed, this housing would be R.F. tight. A neat little box.

73.....Steve, WB6TNL

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996

From: Mark Korchinski <MKORCHINSKI@PMRA.HWC.CA>

Subject: [6487] HO HO Cough, sputter

Message-ID: <s2b50340.036@PMRA.HWC.CA>

I wrote this for our local club newsletter way back in 1985
and just found it recently while going through some papers.
Thought it might be of some amusement.

73,
Mark VA3ZU

A Christmas Poem

Twas the night before Christmas and from the Ham shack
The tubes were aglow from the old transmitter rack.
The logbook was checked with the greatest of care
In the hopes that the "Old Man" soon would be there.
The harmonics were nested all snug in their beds
While visions of transceivers danced in my head.
When out on the roof there arose such a clatter
I sprang from my chair to see what was the matter.
What to my wondering eyes should appear
But a field day trailer pulled by eight tiny reindeer.
With a synthesized handheld and a quarter wave whip
I knew in a moment it must be St. Nick.
He whistled and and shouted and called them by name
"Now Ten Tec, now Yaesu, now Kenwood and Icom
on Larsen, on Alpha, on Hygain and Bencher
To the top of the tower, to the top of the wall
now dash away, dot away, dash away all".
I drew in my head and was turning around
when then down the chimney he came with a bound.
His nose was red like a panel light sheath
and high voltage surrounded his head like a wreath.
He spoke not a word but went straight to his work
filled all the parts trays, then turned with a jerk.
And laying his handheld aside of his nose
kerchunking the repeater, up the chimney he rose.
He sprang to his trailer to his team gave a call
and away they all flew, a QSL left for the wall.
And I heard him exclaim as a I lost line-of-sight
73 to All, and to All a good night.

(M. Korchinski, 1985. Free to distribute unmodified with credit
to the author.)

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: tart1@juno.com (Nathan C Tart)
Subject: [6480] HOLIDAY GREETINGS
Message-ID: <19961215.231417.4751.105.tart1@juno.com>

HAPPY HOLIDAYS TO ALL SUBSCRIBERS OF TELTEL-L
AND QRP-L FROM THE SOUTHEASTERN RADIOSPORT ASSOC

Has been a great 1996 and we plan to have a better 1997

AC4GT

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Rick Zabrodski <zabrodsk@med.ucalgary.ca>
Subject: [6523] KC2 and Cascade Adivce
Message-ID: <Pine.SUN.3.95.961216125631.15524A-100000@ume>

My IC751a is back and working. Yes, it was the PLL caps!

In the meantime have been making lots of Cascade SSB contacts and decided to build the KC2 yesterday and install it in the CASCADE.
My instructions are quite vague, including comments like "too be announced" for mating the Cascade and KC2.

So, as not to "re-invent the wheel", could those of you have "been there, done that - bought the tee shirt" pass on your experience and wisdom?

I there is an on line reference, that would be appreciated as well.

Thanks. Will be looking for the fox this week btw!

Dr. Rick Zabrodski BSc, MD, CCFP(E) MRO ★ VE6GK
Clinical Assistant Professor ★ NorCal 519 ARCI 7650 GQRP 8329
Faculty of Medicine, Univ. of Calgary ★ "Power is no substitute for skill"

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Steve N0TU <S&P@webaccess.net>
Subject: [6510] lightweight batteries for QRPp backpacking
Message-ID: <32B5838D.722B@webaccess.net>

Anyone have suggestions on sources for lightweight batteries for QRPp backpacking? (I know lightweight and battery are not in the same category)

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Kerry Miller <kmiller@flash.net>
Subject: [6534] List server commands
Message-ID: <2.2.32.19961216222757.006884a8@pop.flash.net>

Is there a way to get a list of all the list commands? I'll be gone for Christmas and I know how to make it stop for a while, but I'm not sure I can turn it back on! I'd like to have a list of all the user commands if such a thing exists. I think I got something like this when I joined up, but that was one dead hard drive ago...

73,
Kerry, WD5BAC

72 just seems awkward to me...

Kerry Miller, WD5ABC	"They that give up essential liberty
8991 FM 35	to obtain a little temporary safety
Royse City, TX 75189-4849	deserve neither liberty nor safety."
www.flash.net/~kmiller	Benjamin Franklin, 1759

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Kelly Ellison" <kelman@dialnet.net>
Subject: [6476] Loop comments
Message-ID: <199612160343.VAA27940@shell.dialnet.net>

Thanks to all who commented on my antenna question. I put up a 282 ft loop. The top wire is up at least 50 feet and the bottom is about 5 ft off the ground. It is fed in the bottom corner with rg-8x.

Yes, I know... I have losses in the feedline running it this way.

I compare it to a G5RV up at equal height. 90 percent of the time, the G5RV beats the loop by 1 to 2 S-Units on receive. The loop is broadside to the East and West. On the Higher frequencies, it seems to favor the north.

Anyway - with this much wire in the air, I expected to do at least as well

as the g5rv. I know that running coax to this antenna causes losses. But the G5RV has also has some losses on the feedline. Is there way to make this a better antenna. Feeding it another location...etc? I do not have a bunch of techno information to include with my comments, just the comparisons to the G5RV.

I am thinking of putting up another G5RV since the other first one is broadside to the NE/SW. G5RV no#2 would be broadside to East and West. Like I said, I do not have access to hi-tech software or facts and figures... but it seems this G5RV is tough to beat for an all band wire antenna. Your practical comments welcome.

Thanks, and Happy Holidays.
Kelly Ellison - WB0WQS
kelman@dialnet.net

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: PGSPersEng@aol.com
Subject: [6474] Low-cost CAE
Message-ID: <961215223806_641202119@emout11.mail.aol.com>

There seems to be considerable interest in this group on low-cost CAE tools for schematic entry and board-layout, so I thought I'd pass along some info from a press release we recently received:

The WinDraft schematic editor and WinBoard board-layout program (developed by Ivex) are available as fully functional 350-pin versions for \$99.95. Each comes with a 75-pg tutorial and runs on Windows 3.1/95/NT; 200-pin versions cost \$29.95 each without the tutorial. All versions include a 700-part library, and pin-count limits are software-key upgradeable from the developer.

NTE Electronics Inc (Bloomfield, NJ (800) 683-6837).

Paul, AA1MI
Editor, Personal Engineering Magazine
www.pein.com

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Elmar Vaheer <ekv@intercall.com>
Subject: [6473] Mirror Site for FTP.lehigh ? Cant seem to connect to site.
Message-ID: <32B4EC4F.40F2@intercall.com>

I am specifically looking for a PS file 8044abm.ps
Its the notes for the curtis keyer chip.
Or if someone has it in their machine please send it to me.
Thanks and 73's
de Elmar KB2VTN

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Barry Keating <Barry.P.Keating.1@nd.edu>
Subject: [6530] N/T Fox Thursday - Late Night
Message-ID: <v03007809aedb4747d6a5@[129.74.87.62]>

Late Night N/T Fox Late Night N/T Fox

WD4MSM WD4MSM

As requested, late Thursday evening
(the LOCAL date will be December 19, 1996).

I will operate "near" 7.122
(as conditions warrant). I will be
on the air from 10:00 pm - 12:00 pm
New York time:

Thursday, December 19th (local date)
10:00 - 12:00 pm local (New York) time
0300 - 0500 UTC
frequency; "near" 7.122+-
QTH South Bend, Indiana
QRP-L# 642
MFJ 9040 at 5 watts

Come on you westerners! This time slot is
at your request. Throw the net and catch
the fox.

Barry Keating
WD4MSM

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Dan Reynolds" <bcdlr@midwest.net>
Subject: [6475] N/T Foxhunt Tuesday, 12/17/96 (local time)

Message-ID: <199612160340.VAA07764@cdale3.midwest.net>

N/T Foxhunt Tuesday, 12/17/96 7:00-9:00 PM CST or
12/18/96 Wed. 01:00-03:00 UTC

I will start working at 7108 again and move up to 7112 or thereabouts if necessary. Come one, come all. Last week was a bust! I still need to post results, I am working on it....

Rig is Kenwood TS-830S turned down to 5, antenna is a 100' Vee up 65', fed with cheap TV twinlead and a balanced tuner, (hey it works).

KB9JLO QRP-L #293 7108 or so,
Tuesday, 12/17/96 7:00-9:00 PM CST or
12/18/96 Wed. 01:00-03:00 UTC

Dan Reynolds - Technology Coordinator
Lutheran School Association of Decatur, IL
ham radio: KB9JLO QRP-L #293 MI-QRP #M-1439 G-QRP #8766
web: <http://www.midwest.net/orgs/lsa/>
email: bcdlr@midwest.net or lsa@midwest.net

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: nskousen@scientechn.com (Niel Skousen)
Subject: [6514] Novice Fox - Wed.
Message-ID: <v02140b03aedb37cfb777@[198.60.91.132]>

==== Novice/Tech+ Fox =====

WA7SSA Niel Skousen
Wed. 12.18.96 7:00-9:00pm MST
Thur 12.19.96 0200-0400 UTC
FREQ 7.112 +/-
RIG FT-757 @ 3.5w (may try NorCal 40 2nd hr... :-)
ANT Inv.V @ 28 ft, legs E-W
QTH Idaho Falls, ID
QRP-L #119

* Standard N/T code speed warning ...
* Patience is a virtue (especially for you 40wpm+ CW ops on N/T Fox nite..)

I'd like to try to break 20 Q's this time, so come on out !!
Also a special invitation to those 4-5 newcomers who've asked about the Novice/Tech+ Fox, come try it, even at 2.5wpm, which was where I started the Fox season this year :-)

TNX es GL
73
Niel

PS:(Chuck, did you ever find the time to move a rig to the novice section
?? :-)

Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG nskousen@scientechn.com
208.525.3742, FAX 529.4721 Idaho Falls ID WA7SSA QRP-L.119
-Z-----DN33wm--- . . . -

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Brad Mugleston <bmug@gw1.com>
Subject: [6532] Old Digest retrieval
Message-ID: <01BBEB53.53227280@pps-pc10.gw1.com>

I lost my instructions on getting old digests back. Digest 576 got to me with
only the first message.

Thanks
Brad - KB0ROL

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Jess Gypin" <JessNOTFI@msn.com>
Subject: [6496] Pictures of TE NE KE available
Message-ID: <UPMAIL04.199612161507430449@msn.com>

Hi all,

For those of you looking for a great stocking stuffer, I have taken some ok
but not great (still playing to get it right!) of the TE NE KE using my
Christmas present to myself. I just hooked up a Connectix Quick Cam to my PC
for internet and ATV video, but I thought that you guys might appreciate a
picture of the TE NE KE and it gives me a chance to play! I have three images
that are .bmp format. Two with the key in the stored position and one swung
out for use. I have placed it next to the OHR 400 so that you can get some
feel for the size. If you would like to see these, let me know and I will send
a image(s) as an Email attachment.

I have been using the key on and off for about 2 weeks and it does work real

nice! Has anyone else out there gotten one or am I the only lunatic on the list that thinks they are great? hi!

Best

Jess N0TFI

(Please note new Email address)JessN0TFI@msn.com

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996

From: JUKKA AHLGREN <JUKKAA@jypoly.fi>

Subject: [6481] Portable receivers

Message-ID: <s2b5051c.074@jypoly.fi>

Hi everyone!

Thanks for the comments concerning the DX-394 receiver.

So the conclusion was: No good (as a ham receiver).

I've got a Sony ICF-SW7600. It is quite usable for camping purposes, but the 5 kHz steps are not comfortable when operating CW.

Does anyone have experience in using a Sangean ATS909?

It's cheaper than the DX-394, but looks promising.

Jukka OH6SC

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996

From: QLF%mimi@magic.itg.ti.com

Subject: [6494] QRP-L digest 574

Message-ID: <9612161441.AA24883@itg.ti.com>

From: Brad Bradfield QLF

Subj: QRP-L digest 574

Wow! I haven't heard anything that exciting since the old sarge dropped a cigar butt between his legs into the latrine after it had just been burned out with gasoline. Talk about a hot seat! He couldn't sit down for a week.

I used to set off my AC powered smoke detector on 160-Meters but your experience is certainly more heart stopping.

Brad, WB0CGH

-***** ORIGINAL MSG RECEIVED ON 12/13/96 AT 18:01 FOLLOWS *****-

>Subject: [6318] QRP brought down Santa???

> Hi,

> Last night after work, I decided to do some HF. Well imagine
> my surprise when I closed the CW key and the basement lights
> rapidly flickered, I heard a clattering sound and the house
> shook with a thundering WHOOMP, as tho' someone had dropped
> a refrigerator on the floor above me. Startled, and giddy

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996

From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>

Subject: [6492] QRP14 - A compact 3-Band QRP-Transceiver (long) (fwd)

Message-ID: <96Dec16.093125-0500est.65735-13034+12@hooch.CC.Lehigh.EDU>

> ----- Forwarded message -----

> Date: Thu, 12 Dec 1996 15:51:34 +0100 (MET)

> From: Hans-Joachim Dezelski <hjd@abt2-a.d6.verwaltung.uni-tuebingen.de>

> To: qrp-1@Lehigh.EDU

> Subject: QRP14 - A compact 3-Band QRP-Transceiver (long)

>

> Hello,

>

> just to show you, that the QRP-movement is also growing over here I
> want to tell you about a club-project in Ulm (southern Germany). In the
> local club (Ortsverein P14) Ulrich (DK4SX) and Dieter (DJ6TE)
> developed in the last two years a very compact 40/20/10m
> CW-Transceiver and prototyped 10 rigs, which are already on the air.

>

> It is certainly not a weekend-project with over 800 parts but includes
> everything you need in a case that measures 150 x 78 x 123 mm:

>

> 3 Bands, electronic keyer, built-in battery, automatically dimmed
> frequency ready-out , Audio-Filter, QSK, RIT, calibrated 1 watt position
> up to 5 watt, Power- and SWR-meter.

>

> You only need an additional antenna and DXCC is not far away. Of
> course there are add-ons to charge the cells from a solar panels.

>

> The RX consists of switchable LPFs and RX-BPFs, the pre-amp, mixer,
> another pre-amp, 6-pole crystal filter, a 2 stage IF-amp, product
> detector, switchable audio-filter and the audio amp.

>

> The TX uses extra BPFs and the tx-amp is driven in C-stage.

>

> The frequencies are generated by a VFO and CXOs followed by BPFs.

>

> Just to give you an impression about the technical specs I copy the

> data from the handbook:

>

> Receiver:

> Noise-floor -135 dBm

> Noise-figure 12 dB

> Sensitivity (10 dB S+N/N, 50 Ohm) 0.12 uV

> Bandwidth Crystal-Filter, -6 dB 950 Hz

> Bandwidth Crystal-Filter, -60 dB 2.8 kHz

> Bandwidth Audio-Filter, wide -3 dB 450 Hz

> Bandwidth Audio-Filter, narrow -3 dB 140 Hz

>

> Intermodulationfree Dynamic, wide 93 dB

> Intercept-point IPE3 +4.5 dBm

> Side Frequency suppression > 60 dB

> AGC-Dynamics, Lf + 6 dB > 90 dB

> Audio-Power 200 mW

> Current, stdby 40m/ 20m + 10 m 15 / 170 mA

>

> Transceiver

> Output 12V 40m / 20m / 10m 4.8/4.5/3.5 W

> Max time SWR=00 10 sec

> Currentmax. (10m, 13 V, 4.5 W) 855 mA

> Efficiency 55 %

> Max Time Max Power, 13 V 2 min.

> Intermod suppression > 45 dB

>

> General

> Coverage 7.0 .. 7.1, 14.0..14.1, 28.0 .. 28.1

> Frequency stability 50 Hz/Degree

> Frequency solution 100 Hz

> RIT +/- 1.2 kHz

> Weight 1.45 kg

>

> Really a nice rig which will be my upcoming winter project. There is a

> superb step-by step construction handbook with more than 190 pages

> including PCB-layout, schematics, construction details and lots of colour

> photos

> available for 35 DM. (Only 60 copies are left, sorry, but a CD-ROM

> version for the

> Mac could also be produced.) It can be ordered direct from DJ6TE.

>

> So if you want additional info, feel free to contact me and I will try to

> help.
>
> 73 de Hajo (DL1SDZ)
>
> QRP-L 722, NorCal 849, G-QRP 6087, QRP-ARCI 8005
>
>
> -----
> | Hajo Dezelski | Email: dezelski@uni-tuebingen.de |
> -----

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: earlve3ab@host.igs.net
Subject: [6533] R5 VERTICAL IDEAS
Message-ID: <199612162218.RAA27482@host.ott.igs.net>

I just purchased a used R5 Vertical. I had been eyeing the new R7000 but felt the R5 would complement my low band antennas. I couldn't get it up for the ten meter contest because it needed some cleaning up and I want to test it with my Autek Analyser etc. I had a good look inside the "black box" and I think I have most of the parts in my junkbox to duplicate the circuit--the 6 KV capacitors inside are probably to allow 1kw pwr so I might be able to get away with 1 KW caps for 100 w max. One of the torroids is a balun xformer--4 to one I think and the other is a core for an rf choke for the coax. I'd like to try and build one for 30 and 40 meters--perhaps even 80. For the radials Id use bigger versions such as SS CB Whips instead of the 4 ft whips and I could use a 30 meter trap with the top section to resonate on 40. Its just in the idea stage right now but I'd be interested in hearing from other lads using the R5 ,R7 or similar type of system. This weekend Im going to try and remove the circuit board and sketch the circuit diagram. By the way--TEN METERS was open during the contest weekend and I did work several stations but I got an RFI complaint from the XYL in our telephone. My window runs parallel to the phone line coming in from the utility pole--hopefully the R5 should help-QRP power will also help too. I was running 90 watts because the openings were not strong. 72 earl

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Martin Squicciarini <skitch@resuba.com>
Subject: [6486] Rigs FS
Message-ID: <Pine.LNX.3.91.961216080008.8293B-100000@resuba.com>

I have the following rigs for sale. They would make a great Christmas

present.

Ten Tec Argosy 525 Analog includes NB, audio and xtal filter.
One minor scratch and the dial is acting up. (The indicator will not go
all the way to the left) Great radio. \$400 OBO

HW-8 Stock except added xformer for audio out (8 ohms). \$100 OBO

72/73

Martin Squicciarini NR3Z
skitch@resuba.com (home)
msquicci@vf.lmms.lmco.com (work)

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: kd7s@psnw.com (Bill Jones)
Subject: [6462] Small Loop Antenna Efficiency
Message-ID: <199612160101.RAA26138@sierra.psnw.com>

Kevin, N2TO wrote:

>
>When using a small transmitting loop (like AEA, MFJ, etc) how efficient are
>they in practice? I've read an article by Rob Capon in QST while ago where
>he built a small one for QRP work with cap from Ten-Tec. One of those sounds
>great.

Small diameter transmitting loop antennas *can* be very efficient radiators.
However, a great deal of care must go into the construction in order for
this to be so. For example, the tuning capacitors **MUST** have welded plates,
not clamped together. Also, if you're building your own loop, the solder
connections **MUST** be the best possible. Consider that the radiation
resistance of a small loop can be as low as a ohm or so, if care is not
taken to reduce the I*R losses, efficiency can be poor. Also, placement of
a small loop is critical. It cannot be placed in close proximity to large
masses of metal. To do otherwise will degrade the performance.

While all this may sound negative, that really isn't the case. When
properly constructed, tuned and installed, small loops can be **VERY** efficient
antennas. I've used a homebrew version and worked into Europe, Japan,
Australia and other parts of the world with five watts. And, that was with
the antenna sitting about three feet off the ground in my back yard.

=====
Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com
=====

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Byron8LCZ@aol.com
Subject: [6497] Ten Meter Contest
Message-ID: <961216100925_675620952@emout09.mail.aol.com>

Hi Gang,

Yes, Ten meters did open now and then. Over the course of the weekend, i worked 34 Q's from Mich:
12 MI, 7 FL, 4 GA, 3 TN, 1 KY, 1 AL, 1 TX, 4 CA and 1 Argentina
also heard ZX5 brazil and a VE7.
The band seemed to fade in, then fade out, throughout the day. I made most of my Q's around:
0000z to 0120z 7 pm to 820 pm
1500z to 2000z 10 am to 3 pm
2200z 5 pm to 530 pm

Didnt pick up any 10-10 numbers and heard many more stations, that didnt hear me. I'll bet many were running some serious power. Also had some QRN on Sunday.

rig TS-450 at 5 watts & Gap vert

72, Byron WA8LCZ Detroit

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: FACMSA@facilities.buffalo.edu (Adams, Mark S.)
Subject: [6529] Ten Tec Service
Message-ID: <1996Dec16.161700.1483.36124@facilities.buffalo.edu>

Hi Gang,

Very sorry to worry anyone that TT service was maybe not up to snuff. A couple of you gave me the CORRECT phone # and I got through first shot and should be all set.

Thanks to all,

Mark N2VPK

After I fix the Cubbie I just might use the SWL40 for the foxhunt anyway :-)

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "John Shuster" <jshuster@ix.netcom.com>
Subject: [6503] Ten-Tec QRP delay
Message-ID: <199612161642.IAA21853@dfw-ix4.ix.netcom.com>

To All:

Spoke with TT this morning. Their new QRP rig will be delayed for at least one month. Those of us who have one on order will get a letter in the mail to this effect.

John

+++++
Father John Shuster, Married Roman Catholic Priest jshuster@ix.netcom.com
Need A Priest? Rent-A-Priest! 1-800-PRIEST-9 A Free Referral Service
At the foot of the Olympics in little Port Orchard, WA
K7MP ARCI 8951 QRP-L 554 ARS 36 NW QRP 346 WWDXC ARRL
+++++

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: FACMSA@facilities.buffalo.edu (Adams, Mark S.)
Subject: [6527] TenTec Service?
Message-ID: <1996Dec16.152200.1483.36101@facilities.buffalo.edu>

Hi Gang,

I am one frustrated guy today. My Cubbie (Argo 556) is only putting out about a few milliwatts and I need some help from TenTec. But when I call 615-428-0364, which I believe is their service #, all I get is busy signals! All day! Been trying since 0900 EST at 10 minute intervals.

Is this normal? Is there another #?

72 Mark N2VPK

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Bob Finch <bfinch@vet.purdue.edu>
Subject: [6507] THE qrp computer - medium to long
Message-ID: <199612161706.MAA19890@vet.vet.purdue.edu>

Okay so I haven't been active here in almost a year...well
that is to say I have been reading but haven't piped up in a
year.....but I have sumthing to say now!

About a great < 1 lb. palmtop computer for shack use.

No the psion is NOT the best palmtop computer available.

It is gud enuf, but for compatibility with dos, excellent built
in software, third party support, industry standard interfaces -
expansion, AND 1st rate manufacturer support the
Hewlett Packard 200lx cannot be beat. Really. I travel for work
and it does everything I need a computer for, and when I am
at home in the shack it handles the logging etc.

It has 17 built in programs including lotus 123 2.4a, lotus
pim suite along with file, system, and application manager.
I run my business with the built in quicken, apptmnt book,
and databases (including the phone book and communications
programs for internet access).

In addition there are literally 100's of machine specific third party programs,

AND it comes with standard dos 5.2, so there are 1000's more.

For logging I run log-eqf without ANY problems from the dos prompt. I also run w4fok's superb morse training program and alot of other ms-dos shareware.

The card slot is type 2 version 2.x compatible and has an irda port along with the rs232 port. Except for my serial cable, I am not restricted to any specific manufacturer's add-ons!

When I dropped my unit and broke it, HP sent a new one out the same day by fed-ex under my extended warranty! I was up and running again in < 24 hrs.

I could go on and on, and yes there are alot of good palmtop machines out there, but the HP is the 'baddest' one out there.

Let the flames begin, but remember I spent three months reviewing the market about 2 years ago. NO other machine came close in capability, support, and quality. (HP is a really

1st rate engineering company.) And I have seen nothing since to change my mind. (Although sharp and psion come close.)

I should also mention that I was involved with psion as an oem on a product when they were a young company many years ago. But they aren't HP by any stretch of the imagination, and the their producst aren't either.

Oh yeah, this IS qrp related in as much as I run my shack with one, and the local club is looking to doing field day with some HP palmtops. AND this has come up several time in the past.

Baab

n6cxb

bfinch@vet.purdue.edu

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: ukii@megsinet.net (ukii)
Subject: [6512] TNX-Drake Advice PLEASE...
Message-ID: <01BBEB44.1E91DD80@randolph2e2-19.megsinet.net>

Hello all...

A while back I sent out a request for advice on a Drake TR7. Wow,too many responses for me to send an individual "thank you" to each one. I would like to do that now...
THANK YOU ALL,your comments/suggestions were much appreciated.
I did go ahead and buy the rig,against some advice,and now
I am thinking seriously of returning it. The rig is in excellent physical

condition,however it does have some operating problems.
I hooked it to a dummy load and checked the output on various bands.
Ten meters is 15 watts max,and gradually goes up in power as I go to
lower bands.It peaks maximum output on 80mtrs with about 120watts or
more (I didnt key it down long to really see).
On the bands where the output is low,it "seems" as if the receive is
also low. A friend says it may need an alignment so I called
Drake this morning. I explained whats up to Ron,their service guy,
and he seems to think the "calibration diodes" are bad.
Anyway,he kinda said the price would be around 200 not counting
the PA transistors if I need them! Wow,that would bring the total
cost to about 850! I better send this back before my wife finds out!

So,a BIG Thank you to all who helped me!
Might be looking for another new "used" rig shortly...

Best 73 de john
n9ukx

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Martin Squicciarini <skitch@resuba.com>
Subject: [6485] Troublshooting CMOS II Keyer
Message-ID: <Pine.LNX.3.91.961216073828.8293A-100000@resuba.com>

Hi All,

With all this talk about kit building and courses on building radios I'm
having a great time. I was away from building for some time and I had a
CMOS II kit that I pick up awhile ago anad started to work on it this
past week. This weekend I wired up the speaker, the buttons and power to
give it the old smoke test. I was greeted with OK. I felt good and
figured I would try the dots and dashes. I tried the dashes first and
nothing happened (by tried I mean I shorted out the pull up resistor).
Next I tried the dits and that produced a sting of ditdahs. Not what I
expected. I check the components, rechecked the board for solder bridges
reseated the IC all with the same results. I tried the buttons and they
all work correctly (i.e. 1&4 response with rv). Any sugestions?

72/73
Martin Squicciarini NR3Z
skitch@resuba.com (home)
msquicci@vf.lmms.lmco.com (work)

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: PaulKB8N@aol.com
Subject: [6484] Two-wire loop design
Message-ID: <961216070929_908216881@emout08.mail.aol.com>

Gang,

I'm curious if anyone has tried a two conductor loop full-wave constructed similar to a folded dipole. With a folded dipole, the second wire increases the impedance by a factor of four, making it a relatively good match to 300 ohm twinlead. The same transformation should occur with a full wave loop. It would seem an efficient way to match the loop to open feeders, and should also make it more broad banded. It might also be a strategy for raising the impedance of a loop that is short of a full wavelength on the lowest operating frequency. I would configure it in a two-turn spiral, and feed the open ends.

I can't try this design at my current QTH as the two wires would be too visible in this covenant restricted neighborhood. Thoughts?

Paul KB8N

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Jack Bryant <Jack.Bryant@math.tamu.edu>
Subject: [6518] W5TFB fox tonight
Message-ID: <199612161820.MAA08701@fourier.math.tamu.edu>

Gang,

Guess its my turn: look for me on 7037 and up, 0200-0400 Tuesday (8-10 CST Monday--tonight). Our system was down this weekend, so this is sort of late.

-Jack W5TFB TX #282

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Steve N0TU <S&P@webaccess.net>
Subject: [6526] What is a St. Louis Verticle?
Message-ID: <32B5AE51.7ECC@webaccess.net>

What is a St. Louis Verticle? Where can I find the article on this

antenna??

Steve/N0TU

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
Subject: [6498] White Mountain SSB 20-meter almost done!
Message-ID: <32B5759E.10BD@uts.cc.utexas.edu>

Hey Gang,

Rotten weather in Texas sure helps the work bench time. I managed to get the White Mountain SSB 20 meter kit "almost" finished. The receiver worked great the first time I fired it up and everything up to the final PA circuit in the transmitter appears to be working as well. One more night ought to do it.

I had the receiver out on the workbench wired to a battery and using a partially completed vertical antenna, I was much impressed with what I could hear. This rig has "plenty" of audio and was certainly sensitive enough to hear lots of stations, including some fine DX late in the day -- Japanese and Phillipines coming in strong.

I love the tuning...great range for varactor diode tuning. I set mine to receive from 14.175 to about 14.375. With the 10-turn pot, it has a nice tune ratio to it. I found I had to take one turn of the local oscillator torroid coil [could it be that I put one turn too many on the darn thing in the first place?] to raise the tuning range slightly. My first go around I was covering part of the CW portion of the band. Dave's instructions suggested I might have to do that and sure enough it worked.

I also ordered the enclosure kit and believe me it is worth the extra money. The rig will look very professional when you are done. Puts my other home-brew efforts to shame. I may have to do some heavy jaw-boning to convince other hams that it is a kit and not a commercial piece of gear. Sure looks great!

With all the rainy cold weather in Texas, I "might" have picked up a cold and it would be too bad if I had to take a sick day about Wednesday to see if 20 meters is open...Oops! I mean to nurse my cold.

I'm headed for Minnesota for the holidays and I definitely plan to spend some time on 20 meters, so if you hear me on SSB-QRP, give me a call.

Cheers,

Gary, KJ5VW

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: ROYGREGSON@aol.com
Subject: [6483] ZM-1's
Message-ID: <961216030725_975312060@emout04.mail.aol.com>

Hi Gang....I have to appologize, I am unable to ship the backlog of ZM-1's because of a parts shortage. Parts ordered on 12-4-96 was supposed to be here (3 working days). With 5 months at this new QTH, and no problems with deliveries, all of a sudden UPS cannot find my place. So monday I'm going to take them a map of how to get here. The warehouse is only about a mile away, and only 2 turns after the only signal. Their excuse is that they are training new people !
Maybe I shouldn't feel too bad, another NW QRP manufactor is having same problems with deliveries.
Thanks for your understanding 72's/73's Roy

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Steve Finch <radiobus@A.crl.com>
Subject: [6493] [Fwd: ARRL INFO response: HELP]
Message-ID: <32B55DE1.5B87@a.crl.com>

X-POP3-Rcpt: radiobus@A
Received: from mgate.arrrl.org by A.crl.com with SMTP id AA16267
(5.65c/IDA-1.5 for <radiobus@a.crl.com>); Mon, 16 Dec 1996 06:24:56 -0800
Received: by mgate.arrrl.org (Smail3.1.29.1 #9)
id m0vZdvj-000f4IC; Mon, 16 Dec 96 09:22 EST
Message-Id: <m0vZdvj-000f4IC@mgate.arrrl.org>
From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Stephen John Farthing <stephen@stevef.demon.co.uk>
Subject: [6525] Re: "c" beacon
Message-ID: <RlQ0wEAYcQtyEwYE@stevef.demon.co.uk>

I have no idea what it is but can hear it constantly in the evenings.

--

Stephen John Farthing MBCS G0XAR
Melksham, Wiltshire UK
RSGB G-QRP 7766

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "'AB7HI' Stephen Lee" <slee@u.washington.edu>
Subject: [6508] Re: 10 meter 'test
Message-ID: <Pine.A41.3.95b.961216090023.84738B-100000@homer11.u.washington.edu>

Can't determine what the level of output was while QSO'ing on the dummy load. Had to have been miniscule though. I'm using an MFJ antenna switch to switch 6 rigs (mostly old BA receivers BTW) between a Butternut vertical and an MFJ 939E antenna tuner. The tuner feeds a G5RV and also contains the dummy load. The bare wire part of the G5RV had separated from the feed in a storm so that most likely was not radiating at all. Attempted to fix that G5RV yesterday with mixed results.

Mostly likely scenario is that some coupling was taking place in the primary antenna selector switch. The Butternut works very well at QRP power levels and I would guess it was radiating the coupled energy.

Mid afternoon Sunday there was considerable 10 meter activity in the Extra class segment of the 10 meter band. Didn't last long!

Stephen Lee, AB7HI, Tacoma, WA
slee@u.washington.edu

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [6524] Re: A Holiday Wish
Message-ID: <Pine.OSF.3.95.961216134255.5639A-100000@duke.usask.ca>

Dont' forget the QSL with the three oriental "hams" who tracked a signal well in the microwave range that was emitted by a nuclear fusion antenna!

Brian.

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| A Thought for Christmas: |
| The only decent thing to do behind someone's back is pat it! |
+-----+
```

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [6472] Re: Antenna tuner testing

>From: Bob Kellogg <ae4ic@nr.infi.net>
>The tuner that matches a wide range of SWR on all bands is rare indeed.
>Not only that, but tuner losses of 30% to 50% are common under certain
>conditions - which are *not* evident to the user.
>
>If at all possible, don't use a tuner for QRP unless you know it's
>efficient with the antenna and band you wish to use.

Hi Bob, this is very good advice. Baluns can also have losses that one might be unaware of. For people using parallel transmission line, it is an easy matter to use a calibrated pick-up loop for impedance and power measurements. I do that and my "antenna tuner" consists of single parallel variable caps or toroidal inductors or a pair of series caps or toroidal inductors. I know of nothing that is more efficient than that.

On 40m and 20m-10m, a single parallel cap placed across the ladder-line in my shack achieves a perfect SWR. Two toroidal inductors in series with the line do the trick on 75m for a 102ft dipole.

Anyone interested in learning how to throw away your commercial antenna tuner and get the maximum power to the antenna, please send me an email at CecilMoore@delphi.com

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Gary M. Diana, Sr." <gmgsr@vivanet.com>
Subject: [6479] Re: Atomic Keyer: Attn Gary
Message-ID: <32B4CA1E.4559@vivanet.com>

Richard H. Arland wrote:

>
> Gary:
>
> My fingers were a little too fast tonight and I deleted you address prior
> to printing it off.
> Please send it to me again.
>
> tnx es 73 es MX

>
> rich K7SZ
Rich -

No problem, here goes:

Gary M. Diana, Sr.
65 Pacer Drive
Henrietta, NY 14467

73 for now...
- Gary N2JGU
gmdsr@vivanet.com

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Arjen Raateland, SYKE/YV, puh. 09 4030 0457" <Arjen.Raateland@vyh.fi>
Subject: [6537] Re: cylindrical chokes/specs?
Message-ID: <01ID3IOWWTU48X00R0@vyh21.vyh.fi>

> Does anyone know anything about the
> cylindrical clamp-on chokes Radio Shack
> sells for noise suppression? Au's,
> freq. range, etc... besides what is on the
> package (which is fairly vague).
> I'm wondering if they could be used for a current
> balun on coax at HF frequencies. I was thinking
> several in "series" would be physically handy
> but might be electrically useless.
> Thanks in advance.
> 73, Randy WJ4P

PA3CCE recently did a test with a clamp-on core for noise suppression and found that it made for a low Q inductor when he clamped it onto a length of wire. So he suggested they're not suitable for your intended purpose as a current balun, which was also what I asked PA3CCE to do the test for. You don't want RF power that is trying to go down the outer surface of the coax to be DISSIPATED in the cores.

73, OH2ZAZ
Arjen Raateland

Finnish Environment Institute, Helsinki, Finland
SAS Support
EMAIL: Arjen.Raateland@vyh.fi
tel. +358 9 4030 0457
fax +358 9 4030 0490

.-.-. -.-

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [6538] Re: cylindrical chokes/specs?
Message-ID: <Roam.3.0.1.850778587.26809.myers@bigboy>

Arjen (Arjen.Raateland@vyh.fi) wrote:

> PA3CCE recently did a test with a clamp-on core for noise suppression
> and found that it made for a low Q inductor when he clamped it onto a
> length of wire. So he suggested they're not suitable for your intended
> purpose as a current balun, which was also what I asked PA3CCE to do
> the test for. You don't want RF power that is trying to go down the
> outer surface of the coax to be DISSIPATED in the cores.

It makes sense the Q of a material used for noise suppression is
low; a high inductance with high loss seems to be the best combination
for blocking and dissipating noise. A high-Q material would run the
risk of unintended resonances which could eliminate the noise suppression.

Dana K6JQ
Dana@Source.Net

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: nsksousen@scientechn.com (Niel Skousen)
Subject: [6539] Re: cylindrical chokes/specs?
Message-ID: <v02140b04aedb8dd0f434@[198.60.91.132]>

>Arjen (Arjen.Raateland@vyh.fi) wrote:

>> PA3CCE recently did a test with a clamp-on core for noise suppression
>> and found that it made for a low Q inductor when he clamped it onto a
>> length of wire. So he suggested they're not suitable for your intended
>> purpose as a current balun, which was also what I asked PA3CCE to do
>> the test for. You don't want RF power that is trying to go down the
>> outer surface of the coax to be DISSIPATED in the cores.

>

>It makes sense the Q of a material used for noise suppression is
>low; a high inductance with high loss seems to be the best combination
>for blocking and dissipating noise. A high-Q material would run the
>risk of unintended resonances which could eliminate the noise suppression.

>

>Dana K6JQ
>Dana@Source.Net

Did some work a while back where a similar problem was tackled with a mixed core set. As I recall the first several cores on each end of the stack (out of 60+ cores on the stack..) were Hi-Q material, then the cores were alternated between lo-Q lossy material and Hi-Q... This might be worth trying in this application..

Niel

```
----- . . . .-- .- --... .. .- -----  
Niel Skousen: Sr.Eng, SCIENTECH.SPG/CFG      nskousen@scientech.com  
208.525.3742, FAX 529.4721  Idaho Falls ID      WA7SSA  QRP-L.119  
-Z-----DN33wm--- . . . -
```

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [6467] Re: Fox - Thursday Night
Message-ID: <199612160257.CAA22696@chuck.dallas.sgi.com>

Cam,

Good job on the fox. Glad to see my rig is doing OK. ;-)

dit dit

SIG

Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50

EMPS QS0s=109 STATES(w/c)=34/2 DX=0

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: sigcom@juno.com (Stephen M Smith)
Subject: [6513] Re: HB: Instant Coffee Housing
Message-ID: <19961216.093432.8287.11.sigcom@juno.com>

On 16 Dec 1996 11:03:07 -0500 Glen Leinweber writes:

>Steve,

> Are you sure that its got no aluminum parts? Even if made of
>tin, often have a plasitisized coating that must be scrapped off.
>Or its steel, which can be difficult to solder. Can't tell anymore
>just by looking at the metal.

This is something that I hadn't even considered. It looked like tin, but I didn't test it. So, as soon as I read Glen's mail, I went out to the shop. It soldered up just fine with my Weller soldering station, so it must be "real" tin. The only thing that might cause a minor problem is the residue left from the adhesive used to secure the aluminum foil seal but that can be taken care of with some rubbing alcohol or WD-40. Happy 'brewing.

73.....Steve, WB6TNL

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: jeverhar@camden.lmco.com
Subject: [6515] Re: HB: Instant Coffee Housing
Message-ID: <9612161756.AA12516@train11.CAMDEN.LMCO.COM>

>On 16 Dec 1996 11:03:07 -0500 Glen Leinweber writes:

>>Steve,
>> Are you sure that its got no aluminum parts? Even if made of
>>tin, often have a plasitisized coating that must be scrapped off.
>>Or its steel, which can be difficult to solder. Can't tell anymore
>>just by looking at the metal.

>This is something that I hadn't even considered. It looked like tin, but
>I didn't test it. So, as soon as I read Glen's mail, I went out to the
>shop. It soldered up just fine with my Weller soldering station, so it
>must be "real" tin. The only thing that might cause a minor problem is
>the residue left from the adhesive used to secure the aluminum foil seal
>but that can be taken care of with some rubbing alcohol or WD-40. Happy
>'brewing.

>73..

Well guys, great idea, but...

Several months ago my buddy Tony, W2GUM, brought one of his "idea pieces" to an NJQRP meeting. He used the same coffee tins and took things even farther - he knocked out the ends and soldered two of them together to make an even larger container.

And now he has a "double'decker" Altoids tin 40-9er! Makes even more room for enhancements. When I last spoke to him, he was considering mounting a Rainbow Bridge/Tuner *and* his 40-9er in his two-story mint house.

72/73,

Joe E., N2CX (from yet another e-mail account)

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
Subject: [6504] Re: How is this possible?
Message-ID: <199612161642.KAA16573@multi13.netcomi.com>

Don't confuse gain with efficiency. The ZR-3 probably has negative gain over isotropic, due to all the ground losses along the path.

Mike K1MG

> Are you sure that's not the traditional April 1 article??? Nope, you said
> "this month's".
> Well, maybe the dB gain reference is a wet string instead of dBi or dBD?
It
> can't be 93 % efficient on 14 Mhz.
> 73, Jay (caveat emptor)
> W6CJ

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Bradley S. Mitchell" <bmitchel@kodak.com>
Subject: [6506] Re: How is this possible?
Message-ID: <32B652C6.92F@kodak.com>

Where can I buy one of them isotropic resonators?
I've heard about these for years, but haven't found a source yet. These would be great antenna's for apartment dwellers.

73 Brad WB8YGG

Michael A. Gipe wrote:

>
> Don't confuse gain with efficiency. The ZR-3 probably has negative gain
> over isotropic, due to all the ground losses along the path.
>
> Mike K1MG

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Patrick Taber <ptaber@logiccraft.com>
Subject: [6511] Re: How is this possible?
Message-ID: <1.5.4.32.19961216172102.009401b4@freebird>

At 11:59 PM 12/16/96 -0800, you wrote:

>Where can I buy one of them isotropic resonators?
>I've heard about these for years, but haven't found a source
>yet. These would be great antenna's for apartment dwellers.

The problem is that isotropics only work withing a few degrees of the equator. In the northern latitudes you need the isothermal radiators to survive the winter. except in Europe where the isometric system is in use.

>>>==>PStJTT (KC1TD) (no, I haven't been into the isopropal at the isobar...)

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: jeverhar@camden.lmco.com
Subject: [6516] Re: How is this possible?
Message-ID: <9612161800.AA12533@train11.CAMDEN.LMCO.COM>

Pat, you wrote:

>The problem is that isotropics only work withing a few degrees of the
>equator. In the northern latitudes you need the isothermal radiators to
>survive the winter. except in Europe where the isometric system is in use.

But it would work *anywhere*, becuase it ahs to be mounted in the attic of an isohouse, thus temperature is no problem.

You gotta be careful, though, when you put them radio waves thru it you make it a (groan) radioactive isotrop!

Yeah, I know, back to my hole.....

72/73,

Joe E., N2CX

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "Michael A. Gipe" <mgipe@reliablemeters.com>

Subject: [6517] Re: How is this possible?
Message-ID: <199612161808.MAA18288@multi13.netcomi.com>

No problem, I'm a distributor of isotropic antennas.

Just send me \$10,000,000.00. (QRP-L discount price).

Not sure about apartment dwellers, though. The antenna is a little over 10 miles wide.

hi

Mike K1MG

>
> Where can I buy one of them isotropic resonators?
> I've heard about these for years, but haven't found a source
> yet. These would be great antenna's for apartment dwellers.
>
>
> 73 Brad WB8YGG

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Steve <S&P@webaccess.net>
Subject: [6501] Re: HW-8 Need Parts
Message-ID: <32B577FC.748D@webaccess.net>

lwilken@fairmont.mn.frontiercomm.net wrote:

>
> Steve - N0TU
>
> Thanks for your reply to my posting.... I'm not sure what shape your HW-8 is
in, but let me know what you want for it and maybe I can take it off your hands,
although the tuning cap is all I need.
>
> Thanks
>
> 73 Lance - KN0USQ

Lance... I spoke to soon after digging out the HW8 I hooked up a random wire in the basement and it woke up signals pouring in on 40m so now I hooked again....sorry I think I'll chase the spiders and other bugs out of case and try and remeber where I left off on the modifications and give this little rig some space on the bench next to computer. But

first things first I must get up an indoor attic antenna. The loop articles sounds interesting. RE: your HW8 cap/probs...are the plates falling the shaft? or?

..Steve

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
Subject: INFO response: HELP
From: <info-serv@arrl.org> (HQ Automated INFO Server)

HELP on using the ARRL's Automated Information Server (info@arrl.org)

NOTE!: Do NOT reply to messages received from the Info-Server.

When you send messages to the ARRL Email Information Server, you should use the address:

info@arrl.org (NOT info-serv@arrl.org)

Messages sent from the server are addressed from info-serv@arrl.org in order to prevent bounced messages from creating a mail loop.

>>Send a new message to the address info@arrl.org for each set of requests.

Each line of the message should contain a single command as shown below. You may place as many commands in a message as you want. Each file you request will be sent to you in a separate message. Only ASCII text files are supported at present.

Here is an example -- to get the prospect file the text of your message should contain ONLY the following:

SEND PROSPECT.TXT (or prospect.txt)
QUIT

If you have FTP access, all of these files can be obtained from oak.oakland.edu by anonymous FTP in the files area /pub/hamradio/arrl/infoserv. Retrieve the file index.txt in /pub/hamradio/arrl/ for a complete listing of available files listed by subdirectory with descriptions.

W1AW bulletins featuring news of interest to all amateurs (such as FCC actions, DX news, satellite orbit data, propagation trends, SAREX mission information and other items) are available on the World Wide Web at <http://www.arrl.org> (see the W1AW schedule on the "References" page) and they are also available

by email from the W1AW bulletin email list.

To subscribe to the w1aw-list, send an email message to:
w1aw-list-request@arrl.org that contains the following in
the SUBJECT line:

subscribe my-address

where my-address is your email address.

QST Files: Binary files mentioned in QST that accompany articles
are *NOT* available via the server. This is an email service only
and can not send binary files. HOWEVER, these files are also available
from oak.oakland.edu, in the directory pub/hamradio/arrl/qst-binaries

Valid INFO email commands:

help Sends this help file

index Sends an index of the files available from INFO

reply <address> Sends the response to the specified address. Put this
 at the BEGINNING of your message if your From: address
 is not a valid Internet address.

send <FILENAME> Sends "FILENAME" example: send PROSPECT.TXT

quit Terminates the transaction (use this if you have
 a signature or other text at the end of the message.)

Note: your message will *not* be read by a human! Do not include
any requests or questions except by way of the above commands.
Retrieve the "HQ-EMAIL.TXT" file for a list of email addresses of
ARRL HQ staff.

Your From: field or Reply-to: field in your header should contain a
valid Internet address, including full domain name. If your From:
field does not contain a valid Internet address, the answer will not
reach you. However, we have recently added a reply function as a
server command. If needed, the REPLY command should be the first
command in your message.

syntax:

reply mailaddr

Where mailaddr is a valid Internet mail address (either user@domain
or bang address accepted.) An invalid address generates an error.

A wrong address results in non-delivery of your response.

The address given in the reply command is the address to which all subsequent requests in the message will be sent.

If an error message is generated, it will be sent to the last reply address given.

If anyone needs some help with the server, or has ascii information files that they would like to archive on our server, additional information or updates for any of our files, or suggestions for improvements, please contact me here at ARRL Headquarters via email or telephone (860) 594-0200.

73 de ARRL HQ, Michael Tracy, KC1SX, mtracy@arrl.org

Sample of files available from INFO: (There are lots more!)

FILENAME	SIZE	DESCRIPTION
----------	------	-------------

#Note - If you are not yet an Amateur Radio operator retrieve the
#file prospect (send prospect) for information on how to easily get
#started in this fun hobby.

PROSPECT.TXT	2k	How to get your Amateur Radio license
EXAMS.TXT	52k	Current exam schedule info - updated bi-weekly
EXAMINFO.TXT	9k	Examinations - what to bring - requirements
HQ-EMAIL.TXT	6k	List of HQ Email addresses
ARRLCAT.TXT	39k	Catalog of ARRL Publications - commercial content
JOIN.TXT	2k	How become an ARRL member
SERVICES.TXT	5k	A condensed list of ARRL membership services
TOUR.TXT	28k	An electronic tour of ARRL Headquarters
DIR.HQ	5k	Visiting ARRL HQ - directions and tour information
HFBANDS.TXT	7k	Breakdown of users of HF spectrum
PRODREV.TXT	25k	Listing of Product Reviews that appeared in QST
RFIGN.TXT	37k	How to solve an EMI/RFI problem - QST Lab Notes
RFISOURC.TXT	13k	Where to buy filters - EMI-proof telephones etc.
ADDRESS.TXT	16k	Lots and lots of ham/electronic company addresses
KITS.TXT	6k	List of companies that sell kits
BBS.TXT	12k	List of ham-radio land-line bulletin boards
HAMFAQ1.TXT	25k	Introduction to the FAQ and Amateur Radio
HAMFAQ2.TXT	45k	Amateur Radio Orgs, Services and Info Sources
HAMFAQ3.TXT	32k	Amateur Radio Advanced and Technical Questions

Enjoy this ARRL service. Please direct comments or suggestions (or flames) to mtracy@arrl.org. 73 from ARRL HQ, Michael Tracy, KC1SX

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Cecil A Moore <Cecil_A_Moore@ccm.ch.intel.com>
Subject: [6469] Re: Loop Antenna Question

>From: "Kelly Ellison" <kelman@dialnet.net>
>I talked to a guy on 40 meters last weekend and he was running a square
>vertical loop that was 244 ft.

Hi Kelly, the guy is running a non-resonant length square and it has a range of impedances similiar to a non-resonant dipole. EZNEC sez a 244ft square would have a 20:1 SWR on 40m using 450 ohm ladder line and an SWR in excess of 100:1 using coax. The guy has exactly the same coax/balun loss problems that one has with a non-resonant dipole. It is not a very good 40m antenna because his balun is seeing something like 210-j1300, far away from the 200 ohms it was designed for.

However, on 75m, EZNEC sez it's not a bad antenna with a feedpoint impedance of about 136-j290 on 3.8MHz giving a relatively low SWR.

73, Cecil, W6RCA, 00TC

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: JCoote@aol.com
Subject: [6464] Re: lowfer kits
Message-ID: <961215201232_67848430@emout08.mail.aol.com>

In a message dated 96-12-14 00:55:43 EST, ke3nv@erols.com (Scott Bauer) writes:

> Good Evening Everyone!
> I remember reading about a lowfer kit in QST a year or so ago.
> Does anyone remember this one? The article was about the kit
> and a simple antenna that would work with it.
> Does the kit manufacturer still exist?
> I will gladly pay for a copy of this article and postage to
> anyone who can send it to me.
> Thank you very much for the bandwidth.
> 72, Scott

Look up Curry Communications... Dave Curry, WD4PLI in Burbank or North Hollywood, CA... area code 818. A few years ago, Dave made transverters, beacons, loading coils, active whips, active loops.

Also, look up LF Engineering (Sal DeFrancesco?) LFE made a few convertors for VLF and lowfer items.

Get the "Lowdown" the newsletter of the Longwave Club Of America... a good place to start. Sorry, but I haven't the addresses or numbers for these contacts.

(I was a lowfer in 1987-88 and operated beacon "J" on 187.5 kHz in Los Angeles)

73, Jay
W6CJ

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [6488] Re: Mirror Site for FTP.lehigh ? Cant seem to connect to site.
Message-ID: <199612161320.NAA23620@chuck.dallas.sgi.com>

Elmar et.al.,

On LeHigh.EDU, if you long in as anonymous with your email address as the password, then go to

/pub/listserv/qrp-1/components

there is a file 8044abm.ps.Z. Do a 'get' with 8044abm.ps and leave off the .Z and you will get the uncompressed copy of the Curtis Notes, complete with schematics and the famous/infamous

'anti-burp' circuit.

Ah ha, found a chip. ;-)

FYIFYI

SIG

Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
EMPS QS0s=109 STATES(w/c)=34/2 DX=0

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Bill Howell <bhowell@mail.utexas.edu>
Subject: [6502] RE: New Ten-Tec QRP rig
Message-ID: <199612161637.KAA20623@mail.utexas.edu>

My apologies if this info has been posted before.

I emailed Ten-Tec about their new rig not being on their Web page.
Here's their response:

From: "Ten-Tec Inc." <sales@tentec.com>
Subject: Re: Your new QRP rig
From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [6519] Re: Novice Fox - Wed.
Message-ID: <199612161844.SAA24646@chuck.dallas.sgi.com>

Niel et.al.,

Yes I did move a rig to the Novice section. I'll
be there this week. Just remind us all the day of.....

dit dit

SIG

Chuck Adams (K5FO CP-60) WAS 40m/30m/20m=49/49/50
EMPS QS0s=109 STATES(w/c)=34/2 DX=0

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: wpc@west.net (John L. Roblin)
Subject: [6482] RE: Portable Receivers
Message-ID: <v01530517ae7a65d07b71@[205.254.241.42]>

Jukka's question is an interesting one. My general question is: Does
anyone have any experience using some of these small portable receivers
with a small stand alone QRP TX??

John, WA6KY0
Ventura, CA

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: DYARNES@aol.com
Subject: [6491] Re: Small Loop Antenna Efficiency
Message-ID: <961216092157_941780328@emout12.mail.aol.com>

To supplement Bill's comments, I would add that my experience has been
similar to his as to results. I built the small loop described in QST in May
1995 (I think that's the right issue), and it works surprisingly well. It is

easy to construct. The parts can be a little troublesome to find (particularly the small motor for turning the tuning capacitor), but you can probably find something workable with a little looking.

My loop works very well on 20 and 30 meters. I haven't tried the higher bands, but I am sure it will do equally well on 17, 15, and 10. I have worked numerous JA's and VK's running 5 watts or less with the loop mounted vertically. A loop in a vertical configuration works very well at low heights, but if you want to use it horizontally (to get a more omni-directional pattern) you have to get that hummer up in the air a good ways. These antennas do not work as well as full sized antennas, but they do a very respectable job.

I also have an MFJ loop and it works equally well. I got this one used, which made it worth the reduced price. I think they are quite expensive if purchased new. Probably not worth the price differential since they are so easy to make. The tuning box on the MFJ is the real benefit of having this version.

Give one a try!

72 de David W7AQK

From owner-qrp-l@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [6463] Re: tuners
Message-ID: <Pine.SOL.3.94.961215201014.5395A-1000000@utkux4.utcc.utk.edu>

On Sun, 15 Dec 1996, Richard Wilkerson wrote:

> Hello to all...
> We had in an issue of QQ, different configurations of tuners. If any
> one remembers.. what issue was that?? thanks...rich
> --
> Rich Wilkerson WD6FDD, Santee, Ca.
> NorCal, ARCI, Qrp-L, E.C.R.A.
> scQRPions
> *****Happy Holidays*****
>
>

January, 1996, pp 18ff. Contains a discussion of losses in each network and rules of thumb for tuning for maximum efficiency within the network.

-73-

LB, W4RNL

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Mike Boice <kd0fx@worldnet.att.net>
Subject: [6468] Re: tuners
Message-ID: <1.5.4.32.19961216030039.0067fe18@postoffice.worldnet.att.net>

At 01:11 AM 12/16/96 +0000, L. B. Cebik wrote:
>January, 1996, pp 18ff. Contains a discussion of losses in each network
>and rules of thumb for tuning for maximum efficiency within the network.

Can someone provide me with a copy of this article, or are article reprints
or individual back issues available? My membership didn't start until this
fall.

73,
mike KD0FX
Richland WA

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: kd1jv@juno.com (Steven Weber)
Subject: [6500] Re: Two-wire loop design
Message-ID: <19961216.113153.8055.1.KD1JV@juno.com>

On Mon, 16 Dec 1996 07:09:30 -0500 PaulKB8N@aol.com writes:
>Gang,
>
>I'm curious if anyone has tried a two conductor loop full-wave
>constructed similar to a folded dipole. With a folded dipole, the
second wire
>increases [snip]

Couple of years ago there were several two wire loop antennas described,
in *73* using twin lead and a stub for matching. There was a 160 loop,
40 loop and maybe a 20 loop. They are much smaller than a normal one
wire loop and were hung as a delta. I'd have to go through my stack of

back issues to find out when the articles came out. (which aren't very handy right now)

They looked like a good idea, the arthur claimed they worked great. Might be worth checking out....Maybe someone else can remeber what issues they were in..

de Steve, KD1JV in NH

From owner-qrp-1@Lehigh.EDU Mon Dec 16 18:01:18 1996
From: Ken Newman N2CQ <103464.1355@CompuServe.COM>
Subject: [6499] Re: US QSL Buro
Message-ID: <961216161734_103464.1355_IHI41-3@CompuServe.COM>

Hi Mark and Group,

Thanks to all for the info on your use of the US QSL Buro. Most seem to think it is a great deal to try and some are not into QSLs to begin with. More activity of QSLing could bring on more of it. Mark, your 'Afield' card is on the way via buro and any others who we worked on 'Afield' too. I'm QRV on any comming in any form for QSLs but the buro route is an offer I can't refuse. :-)

Ken Newman, N2CQ
103464.1355@compuserve.com
n2cq@juno.com
Admiral of the Nebraska Navy

Mark wrote:-----
Hi Ken,

Your card from Afield has just gone the the buro. I just sent out 115 cards for a savings of about \$18.50 (taking into account mailing the cards to the buro).

Since my TT Cubbie broke over the weekend I will need the savings :-(

72 Mark

----- From: 103464.1355[SMTP:103464.1355mpuServe.COM] Sent: Saturday, December 14, 1996 12:16 PM To: Low Power Amateur Radio Discuss Subject: US QSL Buro

X-Listprocessor-Version: 8.0 -- ListProcessor(tm) by CREN

Hi All,

I read a post on the list recently from Mark, N2VPK about some activity on

the US QSL Bureau. He is sending replys to the bureau for Fox activities who wants a card without SASE. Most QRPers send cards w/o SASE and I reply anyway. QRPers are a closer group so I'm happy to have them and glad to reply.

What about using the bureau? Do any of the QRP-L subscribers ever use the bureau except Mark? In the QRP Afield test, I have 27 QSOs with QRP-L subscribers I'd like to QSL, including Mark. The cost in the US QSL Bureau (not the ARRL one) would be \$1.35.

If I used direct mail, it would cost \$8.64 or with SASE \$17.28. That's pretty close to a Rainbow Tuner's price.

I think this could be a QRPers dream for QSLing. What do you think, Group? I am going to try the buro for the 27 QRP-L QSOs (you know who you are!).

PSE QSL!

US Bureau Info: E-mail: USBUR01.com
WWW: <http://members.aol.com/USBUR0/index.htm>

Ken Newman, N2CQ QRP-L #399